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PATENT

Attorney Reference Number 7512-73238-01
Application Number 10/808,929

Claims

1-27. (Cancelled)

28. (Previously presented) A process for melting materials having hazardous and/or contaminated substances, comprising:

placing materials including the hazardous and/or contaminated substances into a container that can withstand temperatures of up to 2000 degrees C without significant degradation of the container wherein the container has a cavity and includes a slip form positioned in the cavity;

heating the materials in the container to a molten state;

vitrifying the molten materials without removing molten materials from the container to form a vitrified product in the container that contains at least a portion of the hazardous and/or contaminated substances immobilized therein; and

discarding the container with the vitrified product therein or removing the vitrified product from the container.

29. (Previously presented) The process of claim 28 further including the step of placing sand in the container behind the slip form.

30. (Previously presented) The process of claim 29 further including removing the slip form from the container and leaving the sand.

31. (Original) The process of claim 29 wherein the slip form is not removed from the container.

32. (Previously presented) The process of claim 29 wherein the container has a plurality of walls and an opening is defined between the plurality of walls and the slip form.

33. (Original) The process of claim 32 that further includes the step of placing sand in the opening.